



SEQUENCE LISTING

<110> Kauppinen, Sakari
Alsbo, Carsten
Nielson, Peter Stein
Jeffares, Daniel Charlton
Mourier, Tobias
Mork, Soren
Arctander, Peter
Tommerup, Niels
Tolstrup, Niels
Vissing, Henrik

<120> OLIGONUCLEOTIDES USEFUL FOR DETECTING
AND ANALYZING NUCLEIC ACIDS OF INTEREST

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<140> US 10/690,487

<141> 2003-10-21

<150> PA 2003 00752

<151> 2003-05-19

<150> US 60/420,278

<151> 2002-10-21

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 <221> misc_feature
 <222> 7, 10, 31
 <223> n = LNA methyl cytosine

 <400> 91
 gatttgnagn ggtggtaaaa agtatgaaaa ngtggtaatt aaaaggcttc 50

 <210> 92
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 16, 34, 40, 46
 <223> n = LNA methyl cytosine

 <400> 92
 ncaatgaaaa ctaatnaaag gtaaactgtg atcncatggn aattcncggg 50

 <210> 93
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 27, 28
 <223> n = LNA methyl cytosine

 <400> 93
 caacactgcc cagaggttca atcgatnnga tgatcctaata gaaggcgccc 50

 <210> 94
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 94
 gtccagtatc gtccatcata gtatcgataa atatgtgaag gaaatgcctg 50

 <210> 95
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 95
 caacactgcc cagaggttca atcgatgtgt gataggatca gtgttcaggg 50

 <210> 96
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 96
 gaaggcgaag gagactgcta atatcgataa atatgtgaag gaaatgcctg 50

 <210> 97

<211> 34
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 97
 acgtgaattc aaatacagac aatgaaggag atga 34

 <210> 98
 <211> 45
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 98
 gatccccggg aattgccatg ttacctttga ttagttttca ttggc 45

 <210> 99
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 99
 acgtggatcc tttttttttt tttttttttt gatccccggg aattgccatg 50

 <210> 100
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 100
 actatgatgg acgatactgg ac 22

 <210> 101
 <211> 31
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 101
 attggatcga tccgatgatc ctaatgaagg c 31

 <210> 102
 <211> 139
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<400> 102
 atcgatccga tgatcctaata gaaggcgccc gggactcct tcttgcatte ttcaacttcc 60
 ttcaacactt gagcggagtc ggtgcatccg aacaatggaa gcttccacat tgtccagtat 120
 cgtccatcat agtatcgat 139

<210> 103
 <211> 17
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<400> 103
 tcctaatagaa ggcgcca 17

<210> 104
 <211> 17
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<400> 104
 tcctaatagaa ggcgccc 17

<210> 105
 <211> 34
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<400> 105
 ggaattatcg atgtgtgata ggatcagtgat tcag 34

<210> 106
 <211> 31
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<400> 106
 aattgatcg atattagcag tctccttcgc c 31

<210> 107
 <211> 287
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<400> 107
 atcgatgtgt gataggttca gtgttcaggg ctgtccaagg aacgtatgag catgcgagag 60
 acgctgtagt tggaaaaacc cacgaagcgg ctgagtctac caaagaagga gctcagatag 120
 cttcagagaa agcggttgga gcaaaggacg caaccgtcga gaaagctaag gaaaccgctg 180
 attatactgc ggagaagggtg ggtgagtata aagactatac gggtgataaa gctaaagagg 240
 ctaaggacac aactgcagag aaggcgaagg agactgctaa tatcgat 287

<210> 108
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<400> 108
 tctgttgagg gtatgacttg caattcctgt gtttggacca ttgagcagca 50

<210> 109
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 17, 21, 49
 <223> n = LNA methyl cytosine

<400> 109
 tctgttgagg gtatganttg naattcctgt gtttggacca ttgagcagna 50

<210> 110
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 46, 49
 <223> n = LNA methyl cytosine

<400> 110
 tctgttgagg gtatgacttg caattcctgt gtttggacca ttgagnagna 50

<210> 111
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 17, 21, 27, 39, 49
 <223> n = LNA methyl cytosine

<400> 111
 tctgttgagg gtaganttg naattcntgt gtttgacna ttgagcagna 50

 <210> 112
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 112
 agaaaagcaa tagaggctgt atcaccgggg ctatatagag ttagtatcac 50

 <210> 113
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 17, 25
 <223> n = LNA methyl cytosine

 <400> 113
 agaaaagcaa tagaggntgt atcancgggg ctatatagag ttagtatcac 50

 <210> 114
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 25, 31
 <223> n = LNA methyl cytosine

 <400> 114
 agaaaagcaa tagaggctgt atcancgggg ntatatagag ttagtatcac 50

 <210> 115
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 17, 23, 25, 31
 <223> n = LNA methyl cytosine

 <400> 115
 agaaaagcaa tagaggntgt atnancgggg ntatatagag ttagtatcac 50

<210> 116
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 116
 gctggttatac aaccccccaat gatagcagag ttcattccgag aacttggatt 50

 <210> 117
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc feature
 <222> 13, 17, 33, 37
 <223> n = LNA methyl cytosine

 <400> 117
 gctggttatac aanccccaat gatagcagag ttnatcngag aacttggatt 50

 <210> 118
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc feature
 <222> 10, 13, 16, 37, 43
 <223> n = LNA methyl cytosine

 <400> 118
 gctggttatan aanccncaat gatagcagag ttcattcngag aanttggatt 50

 <210> 119
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc feature
 <222> 13, 15, 17, 33, 37, 43
 <223> n = LNA methyl cytosine

 <400> 119
 gctggttatac aancncaat gatagcagag ttnatcngag aanttggatt 50

 <210> 120
 <211> 50
 <212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide Sequence

<400> 120
tctttggtca agaaggatcg gtcagcaagt cacttagatc ataaacgaga 50

<210> 121
<211> 50
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 9, 33
<223> n = LNA methyl cytosine

<400> 121
tctttggtna agaaggatcg gtcagcaagt canttagatc ataaacgaga 50

<210> 122
<211> 50
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 19, 31, 40, 46
<223> n = LNA methyl cytosine

<400> 122
tctttggtca agaaggatng gtcagcaagt nacttagatn ataaangaga 50

<210> 123
<211> 50
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 9, 19, 23, 31, 33
<223> n = LNA methyl cytosine

<400> 123
tctttggtna agaaggatng gtnagcaagt nanttagatc ataaacgaga 50

<210> 124
<211> 50
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide Sequence

<400> 124
ttataaagca ctgaagcata agacagcaaa tatggacgta ctgattgtgc 50

<210> 125
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 9, 17, 37, 41
<223> n = LNA methyl cytosine

<400> 125
ttataaagna ctgaagnata agacagcaaa tatggangta ntgattgtgc 50

<210> 126
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 37
<223> n = LNA methyl cytosine

<400> 126
ttataaagca ctgaagcata agacagcaaa tatggangta ctgattgtgc 50

<210> 127
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 9, 11, 17, 27, 37, 41
<223> n = LNA methyl cytosine

<400> 127
ttataaagna ntgaagnata agacagnaaa tatggangta ntgattgtgc 50

<210> 128
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

<400> 128

aacaagtgga tgtggaactt gtacaacgtg gagatatcat taaagtagtt 50

<210> 129
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<400> 129
 aacaagtgga tgtggaactt gtacaacgtg gagatatcat taaagtagtt 50

<210> 130
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<400> 130
 aacaagtgga tgtggaactt gtacaacgtg gagatatcat taaagtagtt 50

<210> 131
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 3, 27
 <223> n = LNA methyl cytosine

<400> 131
 aanaagtgga tgtggaactt gtacaangtg gagatatcat taaagtagtt 50

<210> 132
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<400> 132
 ccattgccac cctcttgga ttgattgtaa ttggatttct gaattttgaa 50

<210> 133
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature

<222> 1
 <223> n = LNA methyl cytosine

<400> 133
 ncattgccac cctcttgga tggattgtaa ttggatttct gaattttgaa 50
 <210> 134
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 1, 7, 10
 <223> n = LNA methyl cytosine

<400> 134
 ncattgncan cctcttgga tggattgtaa ttggatttct gaattttgaa 50
 <210> 135
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 1, 7, 11, 39
 <223> n = LNA methyl cytosine

<400> 135
 ncattgncac nctcttgga tggattgtaa ttggatttnt gaattttgaa 50
 <210> 136
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<400> 136
 ggtatttgat aagactggaa ccattactca cggaaccca gtggtgaatc 50
 <210> 137
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 21, 29, 37
 <223> n = LNA methyl cytosine

<400> 137
 ggtatttgat aagactggaa ncattactna cggaacncca gtggtgaatc 50

 <210> 138
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 22, 31, 37
 <223> n = LNA methyl cytosine

 <400> 138
 ggtatttgat aagactggaa cnattactca nggaacncca gtggtgaatc 50

 <210> 139
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 15, 21, 27, 29, 31, 37, 39
 <223> n = LNA methyl cytosine

 <400> 139
 ggtatttgat aagantggaa ncattantna nggaacncna gtggtgaatc 50

 <210> 140
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 140
 attggttaacc gggagtggat gattagaaat ggtcttgtca ttaataacga 50

 <210> 141
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 9
 <223> n = LNA methyl cytosine

 <400> 141
 attggttaanc gggagtggat gattagaaat ggtcttgtca ttaataacga 50

<210> 142
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 34
 <223> n = LNA methyl cytosine

 <400> 142
 attggtaacn gggagtggat gattagaaat ggtnttgtca ttaataacga 50

 <210> 143
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 9, 39
 <223> n = LNA methyl cytosine

 <400> 143
 attggtaacn gggagtggat gattagaaat ggtcttgtna ttaataacga 50

 <210> 144
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 144
 tggcacaggc acagatgtag ccattgaagc agctgatgtg gttttgataa 50

 <210> 145
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 21, 33
 <223> n = LNA methyl cytosine

 <400> 145
 tggcacaggc acagatgtag ncattgaagc agntgatgtg gttttgataa 50

 <210> 146
 <211> 50
 <212> DNA

<213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 4, 10, 22
 <223> n = LNA methyl cytosine
 <400> 146
 tggnacaggn acagatgtag cnattgaagc agctgatgtg gttttgataa 50
 <210> 147
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 21, 33
 <223> n = LNA methyl cytosine
 <400> 147
 tggcacaggc acagatgtag ncattgaagc agntgatgtg gttttgataa 50
 <210> 148
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 5, 11, 23, 35
 <223> n = LNA methyl cytosine
 <400> 148
 gtgantctc ngattgtgtg agntttgttg gagcntgcgt acgtggattt 50
 <210> 149
 <211> 49
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 6, 10, 12, 20, 24, 30, 36, 38, 42, 48
 <223> n = LNA methyl cytosine
 <400> 149
 ttttaantgan ancttgtttn tgantgttan ggcgtnantg antttgcna 49
 <210> 150
 <211> 50

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 5, 21, 25, 27, 31, 39, 43
 <223> n = LNA methyl cytosine

 <400> 150
 natanaggtc actggcatga nttgngnttc ntgtgtagna aanattgaac 50

 <210> 151
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 13, 19, 23, 43
 <223> n = LNA methyl cytosine

 <400> 151
 tgaggggaat gangtgtgnc tcntgcgtac ataaaataga gtntagtctc 50

 <210> 152
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 19, 45, 49
 <223> n = LNA methyl cytosine

 <400> 152
 tgtattnctg taatggggnt gatgacatat atgatgggta tggancacna 50

 <210> 153
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 5, 11, 13, 17, 29, 31, 41, 47
 <223> n = LNA methyl cytosine

 <400> 153
 acatnagagg ntnttgnaaa gttaatttna ntacaagcta nagaagnaac 50

 <210> 154

<211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 3, 11, 21, 23, 31, 39, 41
 <223> n = LNA methyl cytosine

 <400> 154
 ttncattaac nagaacgggt nantgcttat ntgcgcaana natgttgag 50

 <210> 155
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 7, 11, 39
 <223> n = LNA methyl cytosine

 <400> 155
 ncattgncac nctcttggt tggattgtaa ttggatttnt gaattttgaa 50

 <210> 156
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 5, 13, 25, 29, 43, 49
 <223> n = LNA methyl cytosine

 <400> 156
 gaaangataa tangatttgc tttcnaagnc tctatcacag ttntgttga 50

 <210> 157
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 13, 19, 25, 41, 47, 49
 <223> n = LNA methyl cytosine

 <400> 157
 atgaacagtc atnaacttng tcttncatga ttattgatgc ncagatntna 50

<210> 158
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 11, 21, 29, 47, 49
 <223> n = LNA methyl cytosine

 <400> 158
 gttctgatga ntggagacaa nagtaaaana gctagatcta ttgcttntna 50

 <210> 159
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 19
 <223> n = LNA methyl cytosine

 <400> 159
 tggcaagtat tgacttatna agaaagacag tcaagaggat tcggataaat 50

 <210> 160
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 3, 5, 19, 23, 31, 33, 35, 37
 <223> n = LNA methyl cytosine

 <400> 160
 gcntntataa actcactant gtntgataaa ngntncntaa acagtgttgt 50

 <210> 161
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 15, 27, 33, 39, 47
 <223> n = LNA methyl cytosine

 <400> 161
 ntggatggga tctgnagcaa tggctgnttc atntgtttnt gtagtanttt 50

<210> 162
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4
 <223> n = LNA methyl cytosine

 <400> 162
 tgcnattgca cgggcacttg ttcgatctcc ttctgtttta cttttggatg 50

 <210> 163
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 16, 31
 <223> n = LNA methyl cytosine

 <400> 163
 tcattctagg attgcnagat ggttatgata ntcattgtcgg agagaaagga 50

 <210> 164
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 28, 37, 40, 46
 <223> n = LNA methyl cytosine

 <400> 164
 ncaatgttgt ttaattgggtt gtaatgtntt gatgacntgn ataatanatat 50

 <210> 165
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 10, 22, 28, 49
 <223> n = LNA methyl cytosine

 <400> 165
 nacaagatcn tgtgttggttc tncggaanaa tgaaaatgaa cttagatcna 50

<210> 166
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 28, 40, 43
 <223> n = LNA methyl cytosine

 <400> 166
 tacttggttct cgacaaaggt tgtgtagncg agtttgacan tcngaagaaa 50

 <210> 167
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 13, 22, 49
 <223> n = LNA methyl cytosine

 <400> 167
 tgaacttgga tcncttcttt gnatttagcg atgatcaaat ttgggaagng 50

 <210> 168
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 22, 28, 37, 43, 49
 <223> n = LNA methyl cytosine

 <400> 168
 tcattaatntt tgtgtagctt tntttctnga tttttgnacg atntttccnc 50

 <210> 169
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 22, 37
 <223> n = LNA methyl cytosine

 <400> 169
 agggtncta ctacaaactg anccaaaagc agatgancga gaagaaataa 50

<210> 170
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 46
 <223> n = LNA methyl cytosine

 <400> 170
 attgaaagcg acgcggaaag tgccatgtat ttctaatttt gttttnttta 50

 <210> 171
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 13, 37, 49
 <223> n = LNA methyl cytosine

 <400> 171
 ttgtcagcat atnaagagta gatatggaag tggatanact ctgctaattc 50

 <210> 172
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 4, 28, 31, 34, 37, 40, 46
 <223> n = LNA methyl cytosine

 <400> 172
 nacnttattg cgttcaattt ttgtttcnac ntantantan gaatangttg 50

 <210> 173
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 37
 <223> n = LNA methyl cytosine

 <400> 173
 tcanaaggga gagagtctgc ggtcgggtgct ggcgttngag aaaatataac 50

<210> 174
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 10, 13, 25
 <223> n = LNA methyl cytosine

 <400> 174
 natgcatccn gangagaaga agtanticatt ttggagttat ctggcgaatt 50

 <210> 175
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 10, 22
 <223> n = LNA methyl cytosine

 <400> 175
 gacnatgctn cggtcgtcat gnaaatcgac ttctaaattg cttctgatta 50

 <210> 176
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 22, 28, 37, 46, 49
 <223> n = LNA methyl cytosine

 <400> 176
 ttgnatgctg ttaaaaccta tngtgtanaa tattgcntgt atattncnt 50

 <210> 177
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4
 <223> n = LNA methyl cytosine

 <400> 177
 tggnacagct taataacaaa ttggaaagtc gaggattagt cggtgttgaa 50

<210> 178
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 46
 <223> n = LNA methyl cytosine

 <400> 178
 gacacangca aaggatatgg atgttggtga gctgctgact gaagtnaata 50

 <210> 179
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 16, 19, 31, 43
 <223> n = LNA methyl cytosine

 <400> 179
 agcacgaaan tctgcngtnt aaaattcact ngtgattcat tgnccaattg 50

 <210> 180
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 22, 34, 43
 <223> n = LNA methyl cytosine

 <400> 180
 atggtcatan tctaaaatgg gnagaacttc aacnaaatca ttntcgtcag 50

 <210> 181
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 13, 16
 <223> n = LNA methyl cytosine

 <400> 181
 aacncgagct tgncgnaaag tgcaagaaaa ttatagaacg aatgaaacag 50

<210> 182
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 13
 <223> n = LNA methyl cytosine

 <400> 182
 ggatgggtcg agngtgagac ctactactaa agaacagctt gtgaatcttt 50

 <210> 183
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 4, 10, 16, 19, 34, 40, 43
 <223> n = LNA methyl cytosine

 <400> 183
 naangttctn gattcntang gacaagaatg gacntatgcn aanagaaaga 50

 <210> 184
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 34
 <223> n = LNA methyl cytosine

 <400> 184
 tgctcgttat ccagctatatt tgaagggact tgtnatgcaa ggacttcttc 50

 <210> 185
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 22, 31, 40
 <223> n = LNA methyl cytosine

 <400> 185
 ncgttttagag cttattgcta ancagattgt nccacaagtn agaacagctc 50

<210> 186
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 10, 13, 16, 40
 <223> n = LNA methyl cytosine

 <400> 186
 tganggacgn tantanccat atgtatttgt tccatcttan cagcaaccaa 50

 <210> 187
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 13, 16, 28, 37, 43, 46
 <223> n = LNA methyl cytosine

 <400> 187
 agctacttca ttnganaagg aacatctngg aaaagtnaag tanatnccgg 50

 <210> 188
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 13, 40
 <223> n = LNA methyl cytosine

 <400> 188
 aaattcaagg atncagttgc cgatggtgaa gccaaagattn gcaaggatta 50

 <210> 189
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 10, 13, 19, 22, 31, 40
 <223> n = LNA methyl cytosine

 <400> 189
 ngatcgtttn tgnccattnt anaagactgt nggtatgctn aagaatatga 50

<210> 190
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 190
 tcaggaacga tctttgacaa cattatcatc accgactctg ttgaggaggc 50

 <210> 191
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 10, 22, 31, 34, 40
 <223> n = LNA methyl cytosine

 <400> 191
 tgaactntan tcttatgaaa gntggggagc natnggattn gatttgtggc 50

 <210> 192
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 19, 37
 <223> n = LNA methyl cytosine

 <400> 192
 gaantttgca gggccgctng gggaatgtca tgatttnatt attaagggaa 50

 <210> 193
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 28, 34
 <223> n = LNA methyl cytosine

 <400> 193
 gtcaattctg ggagaagggtg ttggatancg gggntcggga gagaatgtgc 50

 <210> 194
 <211> 50
 <212> DNA

<213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 22, 46
 <223> n = LNA methyl cytosine
 <400> 194
 atgtaaagaa ggaatgcttc cngaattgat tggatatatta tttgtncaga 50
 <210> 195
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 4, 16, 19, 28, 43
 <223> n = LNA methyl cytosine
 <400> 195
 ggancgaaat ttgtgnagna tgtcgganac gaaattgatg gtntcatttt 50
 <210> 196
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 1, 7, 16, 34, 40
 <223> n = LNA methyl cytosine
 <400> 196
 nagacangaa ggttangata gataaccatc tctnaaagtn tatcgacctc 50
 <210> 197
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 1, 4, 22, 49
 <223> n = LNA methyl cytosine
 <400> 197
 ngangatgtg cgtgttcctg angatgaaag aatgggatat taagaaaanc 50
 <210> 198
 <211> 50

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 19, 22, 40
 <223> n = LNA methyl cytosine

 <400> 198
 ttgtgctcca tcgctgctnc gnttacagac ttgacaacgn tcacctttgc 50

 <210> 199
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 16, 28, 31, 34, 46, 49
 <223> n = LNA methyl cytosine

 <400> 199
 aatgagnggt tgtgcngtgt gacgtcantt ngtnacagtg ttgctntant 50

 <210> 200
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 31, 40, 43, 46, 49
 <223> n = LNA methyl cytosine

 <400> 200
 aaattgacan caatcaaadc tgtctcatct nctgaggacn gtnaanctng 50

 <210> 201
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 13, 31, 34, 46
 <223> n = LNA methyl cytosine

 <400> 201
 aatntttgtg tanggagatg gggcaaaagg nagnaagaaa gtaaancaag 50

 <210> 202

<211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 202
 aggacaaggg gcactactgg cacaggcttt gattattgca gtgagatatt 50

 <210> 203
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 49
 <223> n = LNA methyl cytosine

 <400> 203
 ttaatggagg tgacaatggg ttccttgat tcgataaatt ccgagtcnc 50

 <210> 204
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 7, 10, 19, 28, 31, 49
 <223> n = LNA methyl cytosine

 <400> 204
 gctntntcn agtgggctna aaatagtnaa ntcaacagat cggaagttnt 50

 <210> 205
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 16, 22, 25, 31, 49
 <223> n = LNA methyl cytosine

 <400> 205
 aaagcttcga gatggnacgt tngtntgtat ntcgtgaaga acttattgna 50

 <210> 206
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc feature
 <222> 7, 37, 40, 43
 <223> n = LNA methyl cytosine

 <400> 206
 gattcgntga actttatcaa gacgtggaat atgagcnagn tcntgtcgac 50

 <210> 207
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc feature
 <222> 4, 25, 37
 <223> n = LNA methyl cytosine

 <400> 207
 gatnttatca ccgcgtgcga tattnagagta gcttcnagg atgcgatttt 50

 <210> 208
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc feature
 <222> 19, 31, 34, 37, 46
 <223> n = LNA methyl cytosine

 <400> 208
 ggaaaggaag gatccattnt cagctctgca nttncancat cagagncatg 50

 <210> 209
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc feature
 <222> 7, 22
 <223> n = LNA methyl cytosine

 <400> 209
 tggatanaag gagggatctg gnagtgggtgg atctggaagt ggtggatatg 50

 <210> 210
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 13, 25, 34, 46
 <223> n = LNA methyl cytosine

 <400> 210
 ttgaaagaan tcnttgccga cgatnctgaa acanacaaag aattgntgaa 50

 <210> 211
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 22
 <223> n = LNA methyl cytosine

 <400> 211
 atgtgggatg aggagaaaga anatttagat acaatggaaa gattagctgc 50

 <210> 212
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 37
 <223> n = LNA methyl cytosine

 <400> 212
 agngtagagct cttggacttt ggcatacaaa ttgtctnatt cttgaaggaa 50

 <210> 213
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 19, 34, 46, 49
 <223> n = LNA methyl cytosine

 <400> 213
 ttatgggtan agaaggagnt gtttacggtg tagnattggg aatgtnttnc 50

 <210> 214
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 10, 13, 16, 25, 34, 37, 40, 43
 <223> n = LNA methyl cytosine

 <400> 214
 nacttcaacn aantcngtgt taatnaagca agcngcnacn atntaatgag 50

 <210> 215
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 19, 22, 43
 <223> n = LNA methyl cytosine

 <400> 215
 tctnattgct cgctcgaggnt ancaacaaac actggcaata ccnaattaat 50

 <210> 216
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 25, 34, 37, 43
 <223> n = LNA methyl cytosine

 <400> 216
 taagaaagtn attgaggatg ctgtngcttt gctngcngaa gtntcgtata 50

 <210> 217
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 28, 37, 43
 <223> n = LNA methyl cytosine

 <400> 217
 aagttcatcn tgttgacgga atcgaggngg agaatgntgt atnggtcatt 50

 <210> 218
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 49
 <223> n = LNA methyl cytosine

 <400> 218
 acaggaaata tgattttgga tttcgatttt gaatcggttg gtgctgccnc 50

 <210> 219
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7
 <223> n = LNA methyl cytosine

 <400> 219
 gctgagntgt atttggctag tgaaatgtgt gtttttgata ctttaaataga 50

 <210> 220
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 16
 <223> n = LNA methyl cytosine

 <400> 220
 acgaggtttg gatcanaatc agaattctgt gaaataagcg ttttttggga 50

 <210> 221
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 25, 46
 <223> n = LNA methyl cytosine

 <400> 221
 agttctnggt ctaacagtgt ctccngttga atattcttgt aaaatnacac 50

 <210> 222
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 10
 <223> n = LNA methyl cytosine

<400> 222
 atgaccactn aaaatactgc taaaagattt gcagcggcag aagccgtaa 50

<210> 223
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 10, 16, 34
 <223> n = LNA methyl cytosine

<400> 223
 ttgatatggn tgtacntgta tggtttttga ggangttttt taggagtcga 50

<210> 224
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 16
 <223> n = LNA methyl cytosine

<400> 224
 atttattcat tcatcnatgt aaactgtata ttttgaattt gtgttgtaaa 50

<210> 225
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 34, 37, 40, 43
 <223> n = LNA methyl cytosine

<400> 225
 gccaaagcag aattgtatth gatcttcggt aacntntcn ttngctacaa 50

<210> 226
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 13, 25, 28, 31, 40, 46
 <223> n = LNA methyl cytosine

 <400> 226
 attttgaatn ttntgggaaa atgcnatnca ntcgagaaan cgttcngttt 50

 <210> 227
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 13, 25, 40, 46, 49
 <223> n = LNA methyl cytosine

 <400> 227
 ntaacggagg atntcgccaa ttatntttga gagacaaaan tgaaantcnt 50

 <210> 228
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 22, 28, 34
 <223> n = LNA methyl cytosine

 <400> 228
 atctagtcn aatgaatctc cnacatgntg ttantcgtga tgttcaactc 50

 <210> 229
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 13, 31, 43
 <223> n = LNA methyl cytosine

 <400> 229
 ttttgcttn atngcaaaag ctcaagatta nacatgtcag gtnaagccaa 50

 <210> 230
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 4, 7, 22
 <223> n = LNA methyl cytosine

 <400> 230
 ncgnganttt aaagagaaga tnataaatTT gcattgtttt ttgtttgtat 50

 <210> 231
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 22, 31, 49
 <223> n = LNA methyl cytosine

 <400> 231
 ngagggtgat tcggagactt tnagtaatgt ncaactttca aatgtttgna 50

 <210> 232
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 19, 31, 46
 <223> n = LNA methyl cytosine

 <400> 232
 tagatanaag atacatccnt caaaagaagg nctaccgtca atggcnaaag 50

 <210> 233
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 10, 22, 46
 <223> n = LNA methyl cytosine

 <400> 233
 tcaacngtn tataaatgaa tnacaacgag gtatcaacat tctccncctg 50

 <210> 234
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 4, 19, 34, 43
 <223> n = LNA methyl cytosine

<400> 234
 atgntgatgt tgaaattgnt ggctaccgta ttcnaaaaga tantgtaatc 50

<210> 235
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 7, 13, 19, 22, 25
 <223> n = LNA methyl cytosine

<400> 235
 atgaatncat ggnttgana tntcncgttt ttcaagggat ataaaaatgt 50

<210> 236
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 4, 7, 28, 46
 <223> n = LNA methyl cytosine

<400> 236
 atgnaangaa ttagtgaaaa attcatcntg gaataaaaaa taattntaaa 50

<210> 237
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 19, 25, 37, 43, 49
 <223> n = LNA methyl cytosine

<400> 237
 atcgctacga caatctttnc gatgncttcg aagtttngaa agntttctnt 50

<210> 238
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc feature
 <222> 31, 34, 40, 46
 <223> n = LNA methyl cytosine

<400> 238
 gaggtcgggtg gaggaggaag tggaaattga nggnaaaatn ctgccnaagg 50

<210> 239
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc feature
 <222> 1, 16, 19, 34, 37, 40
 <223> n = LNA methyl cytosine

<400> 239
 ncctctttgg gatttncant caagtttact gttnggnagn agtgatataa 50

<210> 240
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc feature
 <222> 10, 13, 37, 40, 46
 <223> n = LNA methyl cytosine

<400> 240
 gagttggttn canagaatgc ttaggacggt taaatngtn acaaantttt 50

<210> 241
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc feature
 <222> 1, 13, 34, 46
 <223> n = LNA methyl cytosine

<400> 241
 naatatggtt ccnatttttag caactcatat gaanacagaa gatgtnccttg 50

<210> 242
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 37, 40
 <223> n = LNA methyl cytosine

 <400> 242
 gaaaaaggcg tcgacatttt atgtgacacg tggacanttn actatgacaa 50

 <210> 243
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 25, 43
 <223> n = LNA methyl cytosine

 <400> 243
 taattgaatt acgggtcttt tgtanatatt aatttttagta tantttgtga 50

 <210> 244
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 13, 25, 37, 49
 <223> n = LNA methyl cytosine

 <400> 244
 atatcaatgn aantattaat gaatnacaac gtcttgncaa tcttctcng 50

 <210> 245
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 28, 37, 49
 <223> n = LNA methyl cytosine

 <400> 245
 ggagtgacta tgaaagcaaa gagttacnga ttgaaantga aagacagana 50

 <210> 246
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 34, 40
 <223> n = LNA methyl cytosine

 <400> 246
 aatntttaat gataatttat gggatctgta tttntctttn tgtcaataaa 50

 <210> 247
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 10, 37, 43
 <223> n = LNA methyl cytosine

 <400> 247
 atgagcncan aaatgtaaaa ggatacgaga ttgattnggg aanagtcatg 50

 <210> 248
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 7, 22, 25, 37
 <223> n = LNA methyl cytosine

 <400> 248
 atcntgngat atgacattaa gncanatggt tctgaanctt caacagaaga 50

 <210> 249
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 7, 10, 13, 28, 37, 46, 49
 <223> n = LNA methyl cytosine

 <400> 249
 ntgaacnttn aanagaagat aaacttcngt atagcngtgg aaaaantcnt 50

 <210> 250
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 16, 19, 34, 37, 43
 <223> n = LNA methyl cytosine

<400> 250
 atttaaagga attcanagnt caaaaaataa taantancgg tttagagatt 50

<210> 251
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 10, 25, 28, 37, 43
 <223> n = LNA methyl cytosine

<400> 251
 aatttgagcn acatggcaag ttatnaanag aggaganaat gcngtacagt 50

<210> 252
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 4, 40
 <223> n = LNA methyl cytosine

<400> 252
 tganattcta cttaaaggga agaaaatacc aactggtacn cttgtatttg 50

<210> 253
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 4, 7, 13, 34, 40, 43, 49
 <223> n = LNA methyl cytosine

<400> 253
 tcancanaaa gcnatacata tgcgagctag ttntcaggn tgnttaaanc 50

<210> 254
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 31, 49
 <223> n = LNA methyl cytosine

<400> 254
 ttcgacaaaa ctattttgga aagaacaatc ncattcagtg tcggcaaang 50

<210> 255
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 19, 25
 <223> n = LNA methyl cytosine

<400> 255
 tctgacaaca aagccatana cgtgncgact aattccacaa tcagctagaa 50

<210> 256
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 37, 40, 43, 46
 <223> n = LNA methyl cytosine

<400> 256
 ttggcaaaag cagaattgta tttaatcttt ggaaacntcn ttnttngcta 50

<210> 257
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 10, 19, 37
 <223> n = LNA methyl cytosine

<400> 257
 tgaatctttn aaacttatna ctccttttaa tactacngtt cctgtttgga 50

<210> 258
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 34, 49
 <223> n = LNA methyl cytosine

 <400> 258
 attgagattg tatccattgg cgtctcttgt tcanaatcga aaatgtctna 50

 <210> 259
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 34, 46
 <223> n = LNA methyl cytosine

 <400> 259
 aactgctact attgcgccat caagtgtgct gctnaaactt aaatcnaggt 50

 <210> 260
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 19, 28, 49
 <223> n = LNA methyl cytosine

 <400> 260
 ttgaganagg aaataagant agaattcntt tgaaactggg gggaagtgnt 50

 <210> 261
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 22, 34, 37, 46
 <223> n = LNA methyl cytosine

 <400> 261
 aagatgtcaa agaattcaag cnagaacgat ggtncancga cgagcnatta 50

 <210> 262
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 13, 34, 40
 <223> n = LNA methyl cytosine

 <400> 262
 attgaancaa cnttgaaata taatgacaca aaancatgtn tggaagtgg 50

 <210> 263
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 19, 28, 31, 40, 43
 <223> n = LNA methyl cytosine

 <400> 263
 ggcaatgtga caatatctnc aatggttntt nacagcaatn atnacgtgtt 50

 <210> 264
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 10, 25, 40, 43
 <223> n = LNA methyl cytosine

 <400> 264
 ntattcaatn gatattttat cacancatcc agtgctggan ctncatcatt 50

 <210> 265
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 28, 31, 43
 <223> n = LNA methyl cytosine

 <400> 265
 gtctcagaga tgtgtaaatt tacttcctng naatttgttt cangcaacta 50

 <210> 266
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 13, 43
 <223> n = LNA methyl cytosine

 <400> 266
 ttctgaatgt ttncaattgg gactgaagtt tcaagagtca ccnagaaaaa 50

 <210> 267
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 19, 28, 31
 <223> n = LNA methyl cytosine

 <400> 267
 gatncagcat cttccaagnt tacattcntc nggtgcttgta tcaaggaaac 50

 <210> 268
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 49
 <223> n = LNA methyl cytosine

 <400> 268
 tttgaaaacn tggttttatta ttaaaataga taattgatta gttctgtang 50

 <210> 269
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 40
 <223> n = LNA methyl cytosine

 <400> 269
 atangttgca ctgcatccgg ctatgaggga gccaaaaatn ttaggggagt 50

 <210> 270
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 7
 <223> n = LNA methyl cytosine

 <400> 270
 gcanttncat tcattctctgc agctactatg gctttggtga caaaagttgg 50

 <210> 271
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 16, 22, 37
 <223> n = A,T,C or G

 <400> 271
 ncgtccaaaa gaatgncatc tnacaagtct tgaaatntta taaaggtagt 50

 <210> 272
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 43
 <223> n = LNA methyl cytosine

 <400> 272
 gagggatcaa cagtaacctc gtgcggtatt gacaaggat gtncggaagg 50

 <210> 273
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 34, 37, 43
 <223> n = LNA methyl cytosine

 <400> 273
 gatggttctt cgatcgcaaa caaaacagat gtgntcnatt tanatacgga 50

 <210> 274
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 16, 28, 43, 46
 <223> n = LNA methyl cytosine

 <400> 274
 atggagaaaa tggatntgat ggagttgnag gaagtgatgg agntcnagga 50

 <210> 275
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 28
 <223> n = LNA methyl cytosine

 <400> 275
 tgaatctcca taaattattc aatgtttnc aatatttaatt ttatcaattg 50

 <210> 276
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 7, 19, 28, 31, 43, 46
 <223> n = LNA methyl cytosine

 <400> 276
 gctnaanacg gtaggatcnt atggaacngt nggaggagca ggnctnggag 50

 <210> 277
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 10, 31, 37, 40
 <223> n = LNA methyl cytosine

 <400> 277
 ngtgacaacn tcttatttat ttctgtaaaa ntgattngcn aaacttttgt 50

 <210> 278
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 13, 25, 28, 37
 <223> n = LNA methyl cytosine

 <400> 278
 gaagctttca aancaaatga gttcnttncc ggaatcncaa agaataccaa 50

 <210> 279
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 43
 <223> n = LNA methyl cytosine

 <400> 279
 acaatgaaaa gagaggatgg aaaggaaatc gaagtctctg ttnttgacga 50

 <210> 280
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 34, 46
 <223> n = LNA methyl cytosine

 <400> 280
 gatgaggtan ataactttgt gtgcagttat aggnecatcta cagtantctgc 50

 <210> 281
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 7, 10, 16, 25, 43
 <223> n = LNA methyl cytosine

 <400> 281
 ttcnatnatn actaancgat tgtcntgaca ttgatggcca aancaggga 50

 <210> 282
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 10, 28, 46
 <223> n = LNA methyl cytosine

 <400> 282
 tcanattatn gaacaagtac tagtaagnat gctgtgatgg agtgcncta 50

 <210> 283
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 10, 46, 49
 <223> n = LNA methyl cytosine

 <400> 283
 nacggagatn acgacatcaa agcggattgc ttagagtgtg gaaacngtnt 50

 <210> 284
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 16, 25, 28, 31, 40, 43
 <223> n = LNA methyl cytosine

 <400> 284
 actatctacg tggcangttg gactnatnat ngatgggaan gangtataag 50

 <210> 285
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 16, 25, 31, 37, 40, 43
 <223> n = LNA methyl cytosine

 <400> 285
 tctntggcca gttcantttg tgatnaatct nagattngtn canacaagat 50

 <210> 286
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 4, 7, 10, 19, 28, 37, 46
 <223> n = LNA methyl cytosine

 <400> 286
 ntanttnocgn aagaaggcnc gtcgtttnta atcgatngaa catctnacac 50

 <210> 287
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 13, 22, 28, 37, 40, 46, 49
 <223> n = LNA methyl cytosine

 <400> 287
 atggatgatn ganccacttg cnactgancc acaatcncgn actcantanc 50

 <210> 288
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 13, 28, 40, 46
 <223> n = LNA methyl cytosine

 <400> 288
 aagacggaga ggntggagag aacggtancg atggagagcn aggaantgat 50

 <210> 289
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 4, 43
 <223> n = LNA methyl cytosine

 <400> 289
 ncanccagga ggagggatac aagagaagaa agtacagatt ctncaactaa 50

 <210> 290
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 10, 13, 31, 43
 <223> n = LNA methyl cytosine

<400> 290
 agtttcacan ttntttttgc cgttttgggt nccggttatca atncattgat 50

<210> 291
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 1, 13, 16
 <223> n = LNA methyl cytosine

<400> 291
 nttttatatt ctnatnaatt tgtttcctac ttggtcagct gaggatcggt 50

<210> 292
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<400> 292
 ttccggcacaa atggagcaaa agtatcgtgg ttattgtgat gcgattattc 50

<210> 293
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 1, 4, 19, 43, 49
 <223> n = LNA methyl cytosine

<400> 293
 ntantatgaa tgagctcant ggactcattt atcaactcga gtnaaaagnc 50

<210> 294
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<400> 294
 gttggcgaat cttcgggttc gtataacttc ttagagggat aagcgggtgtt 50
 <210> 295
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 4, 10, 25, 31, 34
 <223> n = LNA methyl cytosine
 <400> 295
 gaantgattn gagaagagtg gggantgtcg nttngagggt taacgacttc 50
 <210> 296
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 19
 <223> n = LNA methyl cytosine
 <400> 296
 tgttattgcg aaagtaatnc tgcttagtac gagaggaaca gcgggttcaa 50
 <210> 297
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 7, 10, 16, 46
 <223> n = LNA methyl cytosine
 <400> 297
 tgcatangan ttggtntctt ggtcaagggt ttgtattcag tagagnagtc 50
 <210> 298
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 7, 13, 16, 19, 22, 28, 37
 <223> n = LNA methyl cytosine

<400> 298
 tgtgctnaga atncanttnt tngaaatnca attgtgncaa gcactaactt 50
 <210> 299
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 7, 13, 19, 22, 25, 28, 31
 <223> n = LNA methyl cytosine
 <400> 299
 ttaagangga acnaattgnt cnacnacnat nataccacga gttgaacagt 50
 <210> 300
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 7, 10, 16, 22, 25, 28, 34
 <223> n = LNA methyl cytosine
 <400> 300
 acattgntan caaggntctaa gncgnttnaa attntctaag tctgaaatga 50
 <210> 301
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 46
 <223> n = LNA methyl cytosine
 <400> 301
 gttgagtcca ccggagtctt caccaccatc gagaaggcca atgctnactt 50
 <210> 302
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 10, 13, 16, 28
 <223> n = LNA methyl cytosine

<400> 302
 agtaaattcn ttncangtgg atctactngt gtgttcacaa agatcgaggg 50

<210> 303
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 4, 25
 <223> n = LNA methyl cytosine

<400> 303
 ggtncataa tgggagactg gttcngcgca gaaagttatg cagatgatat 50

<210> 304
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 7, 10, 19, 22
 <223> n = LNA methyl cytosine

<400> 304
 agaaaanttn gttggacct gntaaggaga agtatttcaa gcttctgagc 50

<210> 305
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 4, 7, 13, 19, 37
 <223> n = LNA methyl cytosine

<400> 305
 gagnacnca agntcaagnc atatttggaa acaagancat actcttcaaa 50

<210> 306
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 7, 19, 28
 <223> n = LNA methyl cytosine

<400> 306
 gttacntct acaaatctng cttcaatnca atgttggtcg cagtcaccaa 50
 <210> 307
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 1, 16, 37
 <223> n = LNA methyl cytosine
 <400> 307
 ncgaagagct cgttantatg cgaggaggtg tgaagcngga ataatttttt 50
 <210> 308
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 16, 46
 <223> n = LNA methyl cytosine
 <400> 308
 aagttcttgg ttggangcga tgggaaaatt atcaagagat ttggancaac 50
 <210> 309
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 22, 40, 46
 <223> n = LNA methyl cytosine
 <400> 309
 acgatttcaa cgtcaaaaat gntaatggtg atgacgtgtn actttnggat 50
 <210> 310
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 40
 <223> n = LNA methyl cytosine

<400> 310
 acctgggttg atgtttttgc ggctgaaagt ttctccaagn tcattgatta 50

 <210> 311
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 10, 13, 28, 40
 <223> n = LNA methyl cytosine

 <400> 311
 gaagtangtn tcncaaagaa aagctacncc agcttaaggn attgcacaat 50

 <210> 312
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 37, 46, 49
 <223> n = LNA methyl cytosine

 <400> 312
 gcgncagata tgtattcaaa gatcgaggta aatggtnaga acactnatnc 50

 <210> 313
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 7, 31, 43
 <223> n = LNA methyl cytosine

 <400> 313
 aatntanagg gaaaaaggat ttcgagttgc ngcgtttcca tgnaatcaat 50

 <210> 314
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 19, 37
 <223> n = LNA methyl cytosine

<400> 314
 agatggnaaa gaagcatana taactgaaac tcttcnngg gagctactac 50

 <210> 315
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 13, 25
 <223> n = LNA methyl cytosine

 <400> 315
 tgaataaacg ggncgaacta aatcnattcg tcagtggaaa tgggaaacaa 50

 <210> 316
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 7, 10, 25, 28, 34
 <223> n = LNA methyl cytosine

 <400> 316
 gtngtnttn ctgatgctta tgaangcnta tttntcgaag tattcatggg 50

 <210> 317
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 13, 37, 43
 <223> n = LNA methyl cytosine

 <400> 317
 tgtggaaaag cntcaacga gaagaaagca gaagttingta tanaattcaa 50

 <210> 318
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 10, 22, 28, 37, 40, 46
 <223> n = LNA methyl cytosine

<400> 318
 atatcgncgn ctgcttctc ancaaccnga ataacgnaan aaaaanttta 50
 <210> 319
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 7, 10, 40, 43, 46
 <223> n = LNA methyl cytosine
 <400> 319
 aagagcncan tcatcaagga tgaaagtgat ggaaagactn ttngtntcag 50
 <210> 320
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 1, 22, 25, 28, 37
 <223> n = LNA methyl cytosine
 <400> 320
 naagatattt taacaaaaat gnatnaanaa gaagccnaat caggttccgg 50
 <210> 321
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 1, 7, 16, 37
 <223> n = LNA methyl cytosine
 <400> 321
 nttgggnatt ctgtanggga tgctgtcatt actgtgnctg catattttaa 50
 <210> 322
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 7, 10, 22, 28, 46, 49
 <223> n = LNA methyl cytosine

<400> 322
 aagaagnatn tcgaaatcaa cncagacnac gctatcatga agacanttng 50

 <210> 323
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 16, 19
 <223> n = LNA methyl cytosine

 <400> 323
 atgaaagctn aagctnttng tgattcctct actatgggat acatggccgc 50

 <210> 324
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 46
 <223> n = LNA methyl cytosine

 <400> 324
 ttaagcagan cattgaggac gagaagctca aggataagat cagccnagaa 50

 <210> 325
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 4, 25
 <223> n = LNA methyl cytosine

 <400> 325
 ngnttttcca aggatgacat tgaangcatg gtcaacgaag ctgagaaata 50

 <210> 326
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 13, 19, 43
 <223> n = LNA methyl cytosine

<400> 326
 gtcgacttgg ctnacatcna caccgtcatc aacaaggaag ganagatgac 50

 <210> 327
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 16, 22, 25, 37, 40, 46
 <223> n = LNA methyl cytosine

 <400> 327
 naatcttgag ggacangttc tnacnattga gggacancan gaggtnaaga 50

 <210> 328
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 19, 28, 31, 34, 37, 40, 49
 <223> n = LNA methyl cytosine

 <400> 328
 tcantaaaat gcaccaatnt ggacaatntt ntgnttntgn tggatgcgnt 50

 <210> 329
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 19
 <223> n = LNA methyl cytosine

 <400> 329
 tcatgaagct aaacaattng aaaaggaaga tggatgaacaa cgggaacgtg 50

 <210> 330
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 13, 25, 28, 34
 <223> n = LNA methyl cytosine

<400> 330
 aagtataacn ttncacagg ggtcngtnca gaanaaatca agtccgaatt 50

 <210> 331
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc feature
 <222> 7, 13, 43, 46
 <223> n = LNA methyl cytosine

 <400> 331
 tttaacnatg gongcagatt cttcgatgac gtcgactttg atngcnacat 50

 <210> 332
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc feature
 <222> 16, 25, 28, 34
 <223> n = LNA methyl cytosine

 <400> 332
 gcgtcgaaaa gatctncctg aagtntgnat tgantggcct tgatattatg 50

 <210> 333
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc feature
 <222> 28, 34
 <223> n = LNA methyl cytosine

 <400> 333
 acatagtctt cgtcacaaag gataagcnac accngaaatt caagcgagag 50

 <210> 334
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc feature
 <222> 4, 10, 16, 22, 40
 <223> n = LNA methyl cytosine

<400> 334
 tcgncaacan tcggnacgt gncaaaatga atatcatctn aaatcgaatg 50

 <210> 335
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 16, 37, 40, 46
 <223> n = LNA methyl cytosine

 <400> 335
 gtcgaagtta gaaatncaga agccgatatt gtttctnatn aaattncaat 50

 <210> 336
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 37, 40
 <223> n = LNA methyl cytosine

 <400> 336
 actactngtg gaagatccaa taaagttggt tcaacngan aaatcgattc 50

 <210> 337
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 337
 ggcagtgaag atgaagtggc aaattctgat gaagaaatgg gaagcagtat 50

 <210> 338
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 34, 46
 <223> n = LNA methyl cytosine

 <400> 338
 ttgtcaacga ccagaagcaa aaattatggg aatngcgata aaattnaagg 50

<210> 339
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 13, 28, 34, 37
 <223> n = LNA methyl cytosine

 <400> 339
 gatgcaagtg tgncaactgc gaatgtgntc aggntgntca ttaatttgaa 50

 <210> 340
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 19
 <223> n = LNA methyl cytosine

 <400> 340
 gacgatatgt tcgatttcnc aggagaggac ggtgatgatg tgtcagactt 50

 <210> 341
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 19
 <223> n = A,T,C or G

 <400> 341
 gacgatatgt tcgatttcnc aggagaggac ggtgatgatg tgtcagactt 50

 <210> 342
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 16, 25, 34, 40
 <223> n = LNA methyl cytosine

 <400> 342
 gaggtcgtcg taatcnacaa ggctncaaga aagnaagtgn tcgacatttc 50

<210> 343
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 16, 22, 43, 49
 <223> n = LNA methyl cytosine

 <400> 343
 gatacttttg gcaagntcgt tncaatcaag aaggagggtca tcncagatng 50

 <210> 344
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 13, 22, 31, 37, 43
 <223> n = LNA methyl cytosine

 <400> 344
 gatgaggagg ganacaccga gntctaaatc nacattncaa tanagttcaa 50

 <210> 345
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 19, 40
 <223> n = LNA methyl cytosine

 <400> 345
 nttatgtccg aagatatcnc agaggattgg gacaagaacn cagtcaagat 50

 <210> 346
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 10, 13, 25, 31, 34, 43
 <223> n = LNA methyl cytosine

 <400> 346
 tacnccagtn gantatgatg gaganagaaa nctngagaag ttngaagaat 50

<210> 347
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 31
 <223> n = LNA methyl cytosine

 <400> 347
 ntctgtgcct ccaacttcaa cgaaattgcc nttgatgaaa ccaagactgt 50

 <210> 348
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 16, 22
 <223> n = LNA methyl cytosine

 <400> 348
 ttctattgtt tattcnttgc cnaatagtgt atttgtattt attctttctc 50

 <210> 349
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 7, 10, 13
 <223> n = LNA methyl cytosine

 <400> 349
 naaatcnatn tcncagtgga tttcgtcatt gctgacaagt tcgccgagga 50

 <210> 350
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 16, 25, 31, 37, 40
 <223> n = LNA methyl cytosine

 <400> 350
 gtttctgatt cgacanttta tggancatct naagttntgn gagtttcttt 50

<210> 351
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 31, 34, 43
 <223> n = LNA methyl cytosine

 <400> 351
 gggaaanaaa tgattgttgg tacagtagcc ngcncgtgcta ttnactgtga 50

 <210> 352
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 7, 10, 13, 22, 28, 31, 37, 40
 <223> n = LNA methyl cytosine

 <400> 352
 ngagcanatn atncaatcgt tncgtgttnaa naaggcnttn taatcgtag 50

 <210> 353
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 19, 31
 <223> n = LNA methyl cytosine

 <400> 353
 tgatgagagn ccagtaacna attatttgaa ncgtcaggat gtgcgtaagg 50

 <210> 354
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 4, 22, 28, 37, 46, 49
 <223> n = LNA methyl cytosine

 <400> 354
 ngntaatcg aagaagggga tngtgggnaa tcataantaa ttaacnttna 50

<210> 355
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 7, 10, 19, 22, 37, 49
 <223> n = LNA methyl cytosine

 <400> 355
 naatggntcn aggtctttnt gntcttcata tacttcnatt ccgagttgnt 50

 <210> 356
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 13, 25, 31, 40, 49
 <223> n = LNA methyl cytosine

 <400> 356
 gttntcttgg agntgaagtt gtcgngtgct nggtgtgattn tcacttctnt 50

 <210> 357
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 7, 43
 <223> n = LNA methyl cytosine

 <400> 357
 tcgntancag caaggaatac ttcaacaagg tcaacaagtg atnacacaga 50

 <210> 358
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 16, 19, 28, 31, 40, 46
 <223> n = LNA methyl cytosine

 <400> 358
 aaggaaattg taactngcnc aagagctntc ncaggtgtcn gtgganatat 50

<210> 359
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 359
 ttgactggat tggagattgc ggaagaagtt gatgttgaaa tcgagagtgg 50

 <210> 360
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 28, 37
 <223> n = LNA methyl cytosine

 <400> 360
 gccaaagtctn aagcaataag tgttgatnaa tcagagncat acggagagat 50

 <210> 361
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 13, 22, 31, 34, 40, 43, 46, 49
 <223> n = LNA methyl cytosine

 <400> 361
 atattgagan ttngggacaa gnggacttct natntgtcan agnaantgnc 50

 <210> 362
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 7, 25, 34
 <223> n = LNA methyl cytosine

 <400> 362
 gatnccnaga gaatcgagta tttcntctcg aganccatgg atatcaactg 50

 <210> 363
 <211> 50
 <212> DNA

<213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 13, 28
 <223> n = LNA methyl cytosine
 <400> 363
 tccgttaaga agntcactgg aaaaacanac ggctcgaacg aaattggaat 50
 <210> 364
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <400> 364
 aatttgatg agagcaaagt ggaaggaatg gctatcggtt tggcagatat 50
 <210> 365
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 4, 22, 25, 43, 49
 <223> n = LNA methyl cytosine
 <400> 365
 gtgntggtca aaaaatgctt gnttngttgc ttattcgcat tgnactcgna 50
 <210> 366
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 1, 4, 10, 46
 <223> n = LNA methyl cytosine
 <400> 366
 ntngagaan tcttcaagtt ggaatcaaca gtggcatcgg atacanatga 50
 <210> 367
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>

<223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 4
 <223> n = LNA methyl cytosine
 <400> 367
 gtgncttctg aagccgaaga aaacgacgat tagttaaatg tttccaagtt 50
 <210> 368
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 46
 <223> n = LNA methyl cytosine
 <400> 368
 gataaaatcg atagcgacga cgatgaggaa gccgatgatg aggagntcga 50
 <210> 369
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <400> 369
 gcaggtggat acggatgtgg agctgacttt tgcgttttat caagaatctc 50
 <210> 370
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 4
 <223> n = LNA methyl cytosine
 <400> 370
 tccngtagaa gtagaaatgc tagaagaacc tgaacaagaa gatcaagaaa 50
 <210> 371
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature

<222> 22, 28, 37, 40
 <223> n = LNA methyl cytosine

<400> 371
 tgcaagatgt cagtattgaa anaattcntg tagaganccn cgaagaaaat 50

<210> 372
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 4, 49
 <223> n = LNA methyl cytosine

<400> 372
 agtntcgtat ccgggaatgt ttcagcctgt gaaaatgctt gttgaagang 50

<210> 373
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 1, 4, 10, 13, 40, 46
 <223> n = LNA methyl cytosine

<400> 373
 nttnaaaacn gtngctttta aggatacagg aacgtggcan gcttcngagg 50

<210> 374
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 1, 10, 37, 40
 <223> n = LNA methyl cytosine

<400> 374
 nagattgtan cttcgaaaag gaaaaggaga gaatcngtn gcaaaaatgg 50

<210> 375
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 7, 22, 28, 37
 <223> n = LNA methyl cytosine

<400> 375
 tgatggnnttt gattattcga gnaggagnaa tgatgtncga gattcggttat 50

<210> 376
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 1, 7, 46
 <223> n = LNA methyl cytosine

<400> 376
 naatgangag aatattggag taatggggaa actggttgcg acttgngaaa 50

<210> 377
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 13, 16, 25, 28, 34, 37, 49
 <223> n = LNA methyl cytosine

<400> 377
 ttggaataca atntcntcga cttntgntc actnttngtg aaactatcna 50

<210> 378
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<400> 378
 tcttggtatt ttattttgtt ttgggcttgt tccgaaaatg aaatggttgt 50

<210> 379
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 1, 16, 22, 28, 31, 37, 46
 <223> n = LNA methyl cytosine

<400> 379
 naatggatca ccaagncagt tnacaagnac ngtgagnaaa gaggantcac 50

 <210> 380
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 28, 49
 <223> n = LNA methyl cytosine

 <400> 380
 ntttgtgatg tgatgactgc gaaggganac ttgatggcta ttacgagana 50

 <210> 381
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 13, 22, 34
 <223> n = LNA methyl cytosine

 <400> 381
 gagncagcta ctnagatgac antcaacacg ttcnattatg caggagtttc 50

 <210> 382
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 16, 28, 37, 40
 <223> n = LNA methyl cytosine

 <400> 382
 tacactncat cctcgncgac atacaatnca acatctncan gcggattctc 50

 <210> 383
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 49
 <223> n = LNA methyl cytosine

<400> 383
 atggagaaga tggtttggat ggaatgtggg ttgagaatca gaatatgcng 50
 <210> 384
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 4
 <223> n = LNA methyl cytosine
 <400> 384
 aacngggata ccgtgtcgaa cgtcacatga aagatggcga tataatcgtc 50
 <210> 385
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 13, 28, 40
 <223> n = LNA methyl cytosine
 <400> 385
 gagagatta aangcatgtc agtggctnat gtcgagtttn cagaagtcta 50
 <210> 386
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 10, 34, 40, 43
 <223> n = LNA methyl cytosine
 <400> 386
 agatattgcn tctacttata atgggcctga tggntttgtn tgnccgtatt 50
 <210> 387
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 7, 10, 13, 16, 22, 25, 31, 46
 <223> n = LNA methyl cytosine

<400> 387
 gaatctnaan canttntgga anccnataca ncaatggata gaaganggag 50

 <210> 388
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 37
 <223> n = LNA methyl cytosine

 <400> 388
 gttgtntttt tttccgtgat cttttcatgt ttatgtntga acgtggcagg 50

 <210> 389
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 40, 46
 <223> n = LNA methyl cytosine

 <400> 389
 gactcgttg tgtcttgcta ggatgtcttg ggttcattcn tcaatngttg 50

 <210> 390
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 28
 <223> n = LNA methyl cytosine

 <400> 390
 gtantgggct cgagggctga aactaatnga agaagaaact ccagaagata 50

 <210> 391
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 43, 46
 <223> n = LNA methyl cytosine

<400> 391
 ggatcatgct ctgtttacga cactgatgag ttaagagtca gantgnacgt 50

 <210> 392
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc feature
 <222> 1, 37
 <223> n = LNA methyl cytosine

 <400> 392
 ngatggttct tctcgtctat catatcgggg tagttgncga agtggtgaaa 50

 <210> 393
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc feature
 <222> 1, 10, 46
 <223> n = LNA methyl cytosine

 <400> 393
 naaatcgaa tggtataaag gaggaccgac ggagacgaat ttgaangaga 50

 <210> 394
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc feature
 <222> 4, 25, 28, 34
 <223> n = LNA methyl cytosine

 <400> 394
 attngatcaa agaactctgg ctctnggngt taantggaca tttgttcgtc 50

 <210> 395
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc feature
 <222> 1, 4, 10, 22, 37
 <223> n = LNA methyl cytosine

<400> 395
 ntncgcgagn aggcgattat tnacgctagt tatgctnaaa tgtgatctgt 50

 <210> 396
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 7, 19, 28, 43
 <223> n = LNA methyl cytosine

 <400> 396
 ncggtantat ctggatcana cagaagtncg aaaatgacca ggnagttatt 50

 <210> 397
 <211> 50
 <212> DNA
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 <220>
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 <221> misc_feature
 <222> 1, 13, 19, 34, 37
 <223> n = LNA methyl cytosine

 <400> 397
 nccagtgaact acntgaatng cgtctctgaa tctncanaca attcctacta 50

 <210> 398
 <211> 50
 <212> DNA
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 <220>
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 <221> misc_feature
 <222> 10, 13, 25, 28, 31
 <223> n = LNA methyl cytosine

 <400> 398
 ggagttgctn acngcaatta agagngantt nggatctctg gataatcttc 50

 <210> 399
 <211> 50
 <212> DNA
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 <220>
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 <221> misc_feature
 <222> 25, 31
 <223> n = LNA methyl cytosine

<400> 399
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 <210> 400
 <211> 50
 <212> DNA
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 <220>
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 <221> misc_feature
 <222> 1, 10, 28, 31, 49
 <223> n = LNA methyl cytosine

 <400> 400
 naatcgtaacn atgaaagaag ttggaagnca ngtgcaagag aagaaatcna 50

 <210> 401
 <211> 50
 <212> DNA
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 <220>
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 <221> misc_feature
 <222> 10, 16, 28, 37
 <223> n = LNA methyl cytosine

 <400> 401
 aagaagattn ctgacnagag agactcangt gcttacncaa gaagcatcta 50

 <210> 402
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 25, 40, 46
 <223> n = LNA methyl cytosine

 <400> 402
 agcattggtg gaaatacgaa atggnatggg aagagaaacn cctctnaatt 50

 <210> 403
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 22, 28, 31, 40, 49
 <223> n = LNA methyl cytosine

<400> 403
 ntggttacgg tagtgtatgg tncctgtntc ntcagaatgn aaatatgtng 50

 <210> 404
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 19, 28, 37, 46
 <223> n = LNA methyl cytosine

 <400> 404
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 <210> 405
 <211> 50
 <212> DNA
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 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10, 22, 25, 37, 43, 49
 <223> n = LNA methyl cytosine

 <400> 405
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 <210> 406
 <211> 50
 <212> DNA
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 <220>
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 <400> 406
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 <210> 407
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 43
 <223> n = LNA methyl cytosine

 <400> 407
 aaaacctcgt actggaaaag gagctgcgaa agcggaagtt atngatttgt 50

<210> 408
 <211> 50
 <212> DNA
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 <220>
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 <221> misc_feature
 <222> 10, 28, 37
 <223> n = LNA methyl cytosine

 <400> 408
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 <210> 409
 <211> 50
 <212> DNA
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 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 19, 34
 <223> n = LNA methyl cytosine

 <400> 409
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 <210> 410
 <211> 50
 <212> DNA
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 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 7, 13, 31
 <223> n = LNA methyl cytosine

 <400> 410
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 <210> 411
 <211> 50
 <212> DNA
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 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 10, 13, 22, 46
 <223> n = LNA methyl cytosine

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<210> 412
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 7, 10, 25, 31, 46
 <223> n = LNA methyl cytosine

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 <210> 413
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 7, 28, 49
 <223> n = LNA methyl cytosine

 <400> 413
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 <210> 414
 <211> 49
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 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 7, 10, 13, 19, 25
 <223> n = LNA methyl cytosine

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 <210> 415
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 <220>
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 <221> misc_feature
 <222> 7, 22, 28, 43, 49
 <223> n = LNA methyl cytosine

 <400> 415
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<210> 416
 <211> 50
 <212> DNA
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 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7
 <223> n = LNA methyl cytosine

 <400> 416
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 <210> 417
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 13, 37, 40
 <223> n = LNA methyl cytosine

 <400> 417
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 <210> 418
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 19, 31, 37, 40, 49
 <223> n = LNA methyl cytosine

 <400> 418
 ntcacggagg ttataattnt atgcaggagg naatttntgn tggagttcna 50

 <210> 419
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 16
 <223> n = LNA methyl cytosine

 <400> 419
 accgtttcat gagagntgta atcaggtggt gtttctgtaa aaagtgtgaa 50

<210> 420
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 19, 25
 <223> n = LNA methyl cytosine

 <400> 420
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 <210> 421
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 43
 <223> n = LNA methyl cytosine

 <400> 421
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 <210> 422
 <211> 50
 <212> DNA
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 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 19, 34
 <223> n = LNA methyl cytosine

 <400> 422
 attgccaaagt ccatttctng tgccaagtac attnaaaata caagaaaggc 50

 <210> 423
 <211> 50
 <212> DNA
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 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 7, 10, 31
 <223> n = LNA methyl cytosine

 <400> 423
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<210> 424
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 34, 40
 <223> n = LNA methyl cytosine

 <400> 424
 ttgaagtttg ggaatattgg tatggttgaa gacnaaggan cggattacga 50

 <210> 425
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 7, 43
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 <400> 425
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 <210> 426
 <211> 50
 <212> DNA
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 <220>
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 <221> misc_feature
 <222> 7, 22, 40
 <223> n = LNA methyl cytosine

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 <210> 427
 <211> 50
 <212> DNA
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 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 13, 16, 22, 25, 28, 40, 49
 <223> n = LNA methyl cytosine

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<210> 428
 <211> 50
 <212> DNA
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 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 428
 attaaatgcg cagatgagga cggaacgaat atcggagaaa ctgataatat 50

 <210> 429
 <211> 50
 <212> DNA
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 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 10
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 <400> 429
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 <210> 430
 <211> 50
 <212> DNA
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 <220>
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 <221> misc_feature
 <222> 10, 16, 40
 <223> n = LNA methyl cytosine

 <400> 430
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 <210> 431
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 4, 19, 28, 34
 <223> n = LNA methyl cytosine

 <400> 431
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 <210> 432
 <211> 50
 <212> DNA

<213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 7, 10, 19, 31, 34, 46
 <223> n = LNA methyl cytosine
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 <210> 433
 <211> 50
 <212> DNA
 <213> Artificial Sequence
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 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 7, 16, 25, 28, 31
 <223> n = LNA methyl cytosine
 <400> 433
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 <210> 434
 <211> 50
 <212> DNA
 <213> Artificial Sequence
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 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 1, 37, 40
 <223> n = LNA methyl cytosine
 <400> 434
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 <210> 435
 <211> 50
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature
 <222> 25
 <223> n = LNA methyl cytosine
 <400> 435
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 <210> 436
 <211> 50


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<212> DNA
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<220>
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<221> misc_feature
<222> 4
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<400> 436
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<210> 437
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
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<221> misc_feature
<222> 16, 28, 46, 49
<223> n = LNA methyl cytosine

<400> 437
gtcttggtga ccacanccaa aaccgttnga aactttaaga gcattntant          50

<210> 438
<211> 603
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

<400> 438
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ccaccgctc caagaggcgt accacaaatt gaagttacat ttgatatcga tgcaaagtgt 120
attctgaacg tatctgccgt tgaaaaaggt actggtaaat ctaacaagat tacaattact 180
aacgataagg gaagattatc gaaggaagat atcgataaaa tggttgctga ggcagaaaag 240
ttcaaggccg aagatgaaca agaagctcaa cgtgttcaag ctaagaatca gctagaatcg 300
tacgcgttta ctttgaaaaa ttctgtgagc gaaaataact tcaaggagaa ggtgggtgaa 360
gaggatgcca ggaaattgga agccgcgcgc caagatgcta taaattggtt agatgcttcg 420
caagcggcct ccaccgagga atacaaggaa aggcaaaagg aactagaagg tgttgcaaac 480
cccattatga gtaaatttta cggagctgca ggtggtgccc caggagcagg cccagttccg 540
ggtgctggag caggccccac tggagcacca gacaacggcc caacggttga agaggttgat 600
tag                                                603

<210> 439
<211> 50
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<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

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gccccactgg agcaccagac aacggcccaa cggttgaaga ggttgattag          50

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<210> 440
 <211> 50
 <212> DNA
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 <220>
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 <210> 441
 <211> 50
 <212> DNA
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 <220>
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 ccattatgag taaattttac ggagctgcag gtggtgcccc aggagcaggc 50

 <210> 442
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 <220>
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 <220>
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 <210> 444
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 <400> 444
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 <210> 445
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<220>
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 <400> 445
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 <210> 446
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 <400> 446
 aagaatcagc tagaatcgta cgcgtttact ttgaaaaatt ctgtgagcga 50

 <210> 447
 <211> 50
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 <220>
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 <210> 448
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 <220>
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 <400> 448
 taacaagatt acaattacta acgataaggg aagattatcg aaggaagata 50

 <210> 449
 <211> 50
 <212> DNA
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 <220>
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 <400> 449
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 <210> 450
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 <212> DNA
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acccgctcca agaggcgtac cacaaattga agttacattt gatatcgatg 50
 <210> 451
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 451
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 <210> 452
 <211> 50
 <212> DNA
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 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
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 <223> n = LNA methyl cytosine

 <400> 452
 gccncantgg agnacnagac aacggccnaa ngggtgaaga ggttgattag 50
 <210> 453
 <211> 50
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 <220>
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 <221> misc_feature
 <222> 4, 16, 22, 40
 <223> n = LNA methyl cytosine

 <400> 453
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 <210> 454
 <211> 50
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 <221> misc_feature
 <222> 1, 25, 28, 37, 40, 46
 <223> n = LNA methyl cytosine

 <400> 454
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 <210> 455

<211> 50
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<221> misc_feature
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<210> 456
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<221> misc_feature
<222> 1, 4, 7, 49
<223> n = LNA methyl cytosine

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<210> 457
<211> 50
<212> DNA
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<220>
<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 37
<223> n = LNA methyl cytosine

<400> 457
ggtgaagagg atgccaggaa attggaagcc gccgccnaag atgctataaa 50

<210> 458
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
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<400> 458
actttgaaaa attctgtgag cgaaaataac ttcaaggaga aggtgggtga 50

<210> 459
<211> 50
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 <221> misc_feature
 <222> 7, 10
 <223> n = LNA methyl cytosine

 <400> 459
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 <210> 460
 <211> 50
 <212> DNA
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 <220>
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 <221> misc_feature
 <222> 25, 31
 <223> n = LNA methyl cytosine

 <400> 460
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 <211> 50
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 <220>
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 <221> misc_feature
 <222> 4, 22
 <223> n = LNA methyl cytosine

 <400> 461
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 <210> 462
 <211> 50
 <212> DNA
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 <220>
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 <221> misc_feature
 <222> 1, 22, 31
 <223> n = LNA methyl cytosine

 <400> 462
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 <210> 463
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 <221> misc_feature
 <222> 4, 16, 46
 <223> n = LNA methyl cytosine

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 <210> 464
 <211> 50
 <212> DNA
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 <220>
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 <221> misc_feature
 <222> 31, 34
 <223> n = LNA methyl cytosine

 <400> 464
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 <210> 465
 <211> 50
 <212> DNA
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 <220>
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 <400> 465
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 <210> 466
 <211> 50
 <212> DNA
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 <220>
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 <221> misc_feature
 <222> 10, 13, 31, 37, 40, 49
 <223> n = LNA methyl cytosine

 <400> 466
 acaagaatan gangaaagtg gtccatctat ngttcancan aagtgtttnt 50

 <210> 467
 <211> 12
 <212> DNA
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 <220>
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<400> 467 caacatccca ca	12
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<211> 12
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 <221> misc_feature
 <222> 3, 8
 <223> n = LNA methyl cytosine

 <400> 473
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 <210> 474
 <211> 12
 <212> DNA
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 <220>
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 <221> misc_feature
 <222> 3, 8
 <223> n = LNA methyl cytosine

 <400> 474
 cantggdntc tt 12

 <210> 475
 <211> 33
 <212> DNA
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 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 475
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 <210> 476
 <211> 44
 <212> DNA
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 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 476
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 <210> 477
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
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<400> 477	
tttggtagca cgacaagctt agtat	25
<210> 478	
<211> 25	
<212> DNA	
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 <221> misc_feature
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<221> misc_feature
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<210> 622
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<221> misc_feature

<222> 1, 3, 5, 9, 17, 23
 <223> n = LNA methyl cytosine

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<221> misc_feature
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<221> misc_feature
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<221> misc_feature
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 <221> misc_feature
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 <221> misc_feature
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 <221> misc_feature
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 <221> misc_feature
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 <221> misc_feature
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 <221> misc_feature
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 <222> 1, 2, 10, 17, 24
 <223> n = LNA methyl cytosine

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 <221> misc_feature
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 <221> misc_feature
 <222> 5, 20
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 <221> misc_feature
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 <221> misc_feature
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 <223> n = LNA methyl cytosine

 <400> 667
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 <221> misc_feature
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aaaacgacag caaaaggctt tcttc 25

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 <221> misc_feature
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 <221> misc_feature
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 <221> misc_feature
 <222> 6, 9, 10, 18
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 <221> misc_feature
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 <221> misc_feature
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 <221> misc_feature
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 <221> misc_feature
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 <221> misc_feature
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 <221> misc_feature
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 <223> Synthetic Oligonucleotide Sequence
 <221> misc_feature

<222> 2, 10, 15, 18, 20, 23
<223> n = LNA methyl cytosine

<400> 792
tnagtttagcn aatcnttngn ttnat

25

<210> 793
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 6, 9, 10, 14, 18
<223> n = LNA methyl cytosine

<400> 793
tttttngggn aaangatntt gaatt

25

<210> 794
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 6, 7, 9, 14, 18
<223> n = LNA methyl cytosine

<400> 794
attganntna aaantttntt ggata

25

<210> 795
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 7, 9, 23
<223> n = LNA methyl cytosine

<400> 795
gatgaantna ggtggatagg atntt

25

<210> 796
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 2, 12, 13, 24
 <223> n = LNA methyl cytosine

 <400> 796
 ancatcatca cnnaaccttg tgtng 25

 <210> 797
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 2, 3
 <223> n = LNA methyl cytosine

 <400> 797
 nnnaactttg tgtcgtttaa taaaa 25

 <210> 798
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 1, 8, 15, 22
 <223> n = LNA methyl cytosine

 <400> 798
 naatgatngt gttanggaaa tnaac 25

 <210> 799
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
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 <221> misc_feature
 <222> 4, 14, 21
 <223> n = LNA methyl cytosine

 <400> 799
 tggncatagg aatnggtcag nttac 25

 <210> 800
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 8, 11, 18
 <223> n = LNA methyl cytosine

 <400> 800
 ttggaaanat nggggtgngc ttttt 25

 <210> 801
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 5, 8, 15, 23
 <223> n = LNA methyl cytosine

 <400> 801
 gaaanatngg ggtgngcttt ttnaa 25

 <210> 802
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 5, 8, 11, 18, 22
 <223> n = LNA methyl cytosine

 <400> 802
 aaaanganag nataaggntt tnttc 25

 <210> 803
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 3, 6, 21, 24
 <223> n = LNA methyl cytosine

 <400> 803
 ganagnctca gttaattggc nacna 25

 <210> 804
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 1, 2, 10, 17, 24
<223> n = LNA methyl cytosine

<400> 804
nngattaaan gagaganagt atgnt

25

<210> 805
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 3, 15, 18, 24
<223> n = LNA methyl cytosine

<400> 805
atnaaatagg aattnagnta aagnc

25

<210> 806
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 3, 4, 11, 18, 22
<223> n = LNA methyl cytosine

<400> 806
ganntaagaa nataaagntg gnaat

25

<210> 807
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 7, 11, 19
<223> n = LNA methyl cytosine

<400> 807
ataaagntgg naataggtnt ctttt

25

<210> 808
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 4, 8, 11, 14, 23
<223> n = LNA methyl cytosine

<400> 808
agangtanag natnagaaat agnag 25

<210> 809
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 7, 10, 16, 19
<223> n = LNA methyl cytosine

<400> 809
aaatagnagn aatggncctng tcttg 25

<210> 810
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 5, 14, 20
<223> n = LNA methyl cytosine

<400> 810
atagnagcaa tggncctcgtt ttggc 25

<210> 811
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

<221> misc_feature
<222> 11, 14
<223> n = LNA methyl cytosine

<400> 811
gcaatggcct ngtnntggcc aacga 25

<210> 812
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide Sequence

<400> 812
 cacaacactg cccagagggtt caatcgataa atatgtgaag gaaatgcctg 50

 <210> 813
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 813
 ctccttcttg cattcttcaa cttccttcaa cacttgagcg gagtcggtgc 50

 <210> 814
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 814
 gaacgtatga gcatgcgaga gacgctgtag ttggaaaaac ccacgaagcg 50

 <210> 815
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 815
 gaaaccgctg attatactgc ggagaagggtg ggtgagtata aagactatac 50

 <210> 816
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 816
 aagtagattt gttatttccg aaacgccttc tcccgttctt 40

 <210> 817
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 817
 accacaaata gtcctcaaa aatcacaaga aaactcacia 40

 <210> 818

<211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 818
 gcagcgggtgg taaaaagtat gaaaacgtgg taattaaaag 40

 <210> 819
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 819
 gaaaactaat caaaggtaaa cgtggatccc atggcaattc 40

 <210> 820
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 820
 cactgccccag aggttcaatc gataaatatg tgaaggaaat 40

 <210> 821
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 821
 ctgcccagag gttcaatoga tccgatgatc ctaatgaagg 40

 <210> 822
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 822
 gtatcgtcca tcatagtatc gataaatatg tgaaggaaat 40

 <210> 823
 <211> 40
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 823
 tcttgcattc ttcaacttcc ttcaacactt gagcggagtc 40

 <210> 824
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 824
 ctgcccagag gttcaatcga tgtgtgatag gatcagtgtt 40

 <210> 825
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 825
 cgaaggagac tgctaataatc gataaatatg tgaaggaaat 40

 <210> 826
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 826
 tatgagcatg cgagagacgc tgtagttgga aaaaccacg 40

 <210> 827
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 827
 cgctgattat actgcggaga aggtgggtga gtataaagac 40

 <210> 828
 <211> 50
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature

<222> 1, 13, 25
 <223> n = LNA methyl cytosine

<400> 828
 nacaacactg ccnagagggtt caatngataa atatgtgaag gaaatgcctg 50

<210> 829
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 1, 4, 10, 19, 28, 46, 49
 <223> n = LNA methyl cytosine

<400> 829
 naanactgcn cagagggttna atcgatcnga tgatcctaata gaaggngcnc 50

<210> 830
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 4, 10, 13, 25
 <223> n = LNA methyl cytosine

<400> 830
 gtcnagtatn gtncatcata gtatngataa atatgtgaag gaaatgcctg 50

<210> 831
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 1, 4, 7, 25, 28, 31
 <223> n = LNA methyl cytosine

<400> 831
 ntcnttnttg cattcttcaa cttcnttnaa nacttgagcg gagtcggtgc 50

<210> 832
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 1, 4, 10, 19, 46
 <223> n = LNA methyl cytosine

<400> 832
 naanactgcn cagaggttna atcgatgtgt gataggatca gtgttnaggg 50

<210> 833
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 25
 <223> n = LNA methyl cytosine

<400> 833
 gaaggcgaag gagactgcta atatngataa atatgtgaag gaaatgcctg 50

<210> 834
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 4, 16, 25, 40, 49
 <223> n = LNA methyl cytosine

<400> 834
 gaangtatga gcatgngaga gacgntgtag ttggaaaaan ccacgaagng 50

<210> 835
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<400> 835
 gaaaccgctg attatactgc ggagaaggtg ggtgagtata aagactatac 50

<210> 836
 <211> 40
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

<221> misc_feature
 <222> 26, 32, 38
 <223> n = LNA methyl cytosine

<400> 836
 aagtagattt gttatttccg aaacgncttc tncggtntt 40

 <210> 837
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 2, 5, 14, 17, 26, 38
 <223> n = LNA methyl cytosine

 <400> 837
 ancanaaata gtcnctnaaa aatcanaaga aaactcanaa 40

 <210> 838
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 2, 5, 26
 <223> n = LNA methyl cytosine

 <400> 838
 gnagnngtggtg taaaaagtat gaaaangtgg taattaaaag 40

 <210> 839
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 11, 29, 35
 <223> n = LNA methyl cytosine

 <400> 839
 gaaaactaat naaaggtaaa cgtggatcnc atggnaattc 40

 <210> 840
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 8, 20
 <223> n = LNA methyl cytosine

<400> 840
 cactgccnag aggttcaatn gataaatatg tgaaggaaat 40

 <210> 841
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 5, 14, 23
 <223> n = LNA methyl cytosine

 <400> 841
 ctgcncagag gttnaatcga tcngatgatc ctaatgaagg 40

 <210> 842
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 5, 8, 20
 <223> n = LNA methyl cytosine

 <400> 842
 gtatngtnca tcatagtatn gataaatatg tgaaggaaat 40

 <210> 843
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 2, 20, 23, 26
 <223> n = LNA methyl cytosine

 <400> 843
 tnttgcattc ttcaacttcn ttnaanactt gagcggagtc 40

 <210> 844
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 5, 14
 <223> n = LNA methyl cytosine

<400> 844
 ctgcncagag gttnaatcga tgtgtgatag gatcagtggt 40

 <210> 845
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 20
 <223> n = LNA methyl cytosine

 <400> 845
 cgaaggagac tgctaatatn gataaatatg tgaaggaaat 40

 <210> 846
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <221> misc_feature
 <222> 11, 20, 35
 <223> n = LNA methyl cytosine

 <400> 846
 tatgagcatg ngagagacgn tgtagttgga aaaanccacg 40

 <210> 847
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 847
 cgctgattat actgcgagaga aggtgggtga gtataaagac 40

 <210> 848
 <211> 23
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 848
 attccattcg attccattcg atc 23

 <210> 849
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 849
 ttagggtag ggtaggggtt aggg 24

 <210> 850
 <211> 15
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 850
 acccagccaa aggag 15

 <210> 851
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 851
 tgtgtaccca gccaaaggag ttga 24

 <210> 852
 <211> 32
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Oligonucleotide Sequence

 <400> 852
 ccagctctaa gagcggcgcg cttactgcgt gt 32